

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 09/10/2018 12:18 PM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126124	0	2.38	126140	2.34
Blue	F	SSC	125000	123854	-1	1.84	124578	1.80
Blue	E	FITC	15760	15374	-3	3.03	331	23.34
Blue	D	PE	25880	25236	-3	2.01	547	17.20
Blue	B	PerCP-Cy5-5	34075	33769	-1	4.36	1033	23.09
Blue	A	PE-Cy7	22776	22726	-1	7.84	547	47.38
Red	C	APC	42488	41376	-3	2.87	1558	13.44
Red	A	APC-Cy7	24478	23918	-3	3.22	825	13.32
Violet	B	V450	6304	6089	-4	4.22	339	18.07
Violet	A	V500	26005	24717	-5	3.73	576	13.46

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20921	10.80	613	16	N/A	N/A	Pass
Blue	F	SSC	56204	1.28	582	27	N/A	N/A	Pass
Blue	E	FITC	59	74.13	565	9	0.0141	153	Pass
Blue	D	PE	114	60.40	559	10	0.1278	336	Pass
Blue	B	PerCP-Cy5-5	197	57.19	662	15	0.0072	110	Pass
Blue	A	PE-Cy7	107	117.05	716	19	0.0083	26	Pass
Red	C	APC	366	29.07	604	4	0.0201	199	Pass
Red	A	APC-Cy7	201	29.12	575	4	0.0044	840	Pass
Violet	B	V450	54	83.23	498	9	0.0260	2311	Pass
Violet	A	V500	86	43.99	514	8	0.0119	717	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.54	-30.92	0.95
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.41
Red	15.49	13.60 - 20.40	N/A	N/A	30.66	31.36	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12189

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments